

All concrete shall be air entrained, 4000 psi, and (3/4") three-quarter-inch maximum size aggregate with 660 lbs of total cementitious material per cubic yard of concrete. Entrained air shall be between 5.5% and 7.5% with a slump not to exceed (4-1/2") four-and-one-half inches. ASTM C150 Type 1/II cement shall be used.

Ready Mix Concrete suppliers will provided substantiating data for each concrete mix design to be installed, yearly to the BPWD not less than (6) six weeks prior to the first placement of concrete. Data for each mix shall at a minimum include the following:

- a. Mix identification designation (unique for each mix)
- b. Statement of intended use. ^{{}L}_{{}SEP}
- c. Mix proportions, including all admixtures. ^{{}L}_{{}SEP}
- d. Manufacturer's data and/or certifications verifying conformance of all mix materials, including admixtures with specified requirements. ^{{}L}_{{}SEP}
- e. Wet and dry unit weights. ^{{}L}_{{}SEP}
- f. Entrained air content, ASTM C138. ^{{}L}_{{}SEP}
- g. Design slump, ASTM C143. ^{{}L}_{{}SEP}
- h. Required average strength qualifications data per ACI 301 and 304. Submit separate qualification for each production facility that will supply concrete to the project.

An inspection of the plant facility may be required as part of the concrete mix design approval process. The plant is to provide access to the facility in order for the BPWD to verify that all of the necessary batching equipment is in good working order, that scales and measuring equipment are calibrated and that all materials are being properly stored and handled.

The summary provided here is for reference only. In the instance of discrepancies between this information and the Boston Public Works Department's Rules and Specifications the later shall supersede.